## COMBINED DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated near my name below.

I believe I am the original, first and joint inventor of the subject matter of which is claimed and for which a patent is sought on the invention entitled:

## PREFILLABLE INTRADERMAL DELIVERY DEVICE

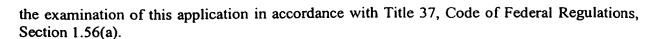
which is de	escribed and claimed in the specification of which:	
	is executed on even date herewith; attorney docket number	
<u>X</u>	was filed on October 14, 1999 as United States Application Serial 09/417,671; attorney docket number 64,149-051.	No
I de	clare that this application is:	
	_a first filing.	
	_ a continuation.	:
<u>X</u>	_ a continuation-in-part.	i
	_ a divisional.	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe my invention was known or used by others in the United States of America, or patented or described in a printed publication in any country before my invention thereof.

I do not know and do not believe my invention was patented or described in a printed publication in any country or in public use or on sale in the United States of America, more than one year prior to this application.

I acknowledge my duty to disclose information of which I am aware which is material to



I hereby claim that no application for patent or inventor's certificate on this invention has been filed in any foreign country or in the United States of America prior to this application by me or my legal representatives or assigns except as follows:

### PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of the foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

X no such	applications have been	filed.	
such appli	cations have been filed	as follows:	
COUNTRY	APPLICATION NUMBER	DATE OF FILING (month, day, year)	
			Yes No
			•
	m priority to and all d States provisional app		tle 35, United States Code,
X no such	applications have been	filed.	
such app	lications have been filed	l as follows:	
	APPLICATION NUMBER	DATE OF FI (month, day,	



**O** 

I hereby claim priority to and all the benefits under Title 35, United States Code, §120 of any United States application(s) listed below. If the above identified application is a continuation-in-part application, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this continuation-in-part application in accordance with Title 37, Code of Federal Regulations, Section 1.63(e).

\_\_\_\_no such applications have been filed.

X such applications have been filed as follows:

APPLICATION

DATE OF FILING

**STATUS** 

NUMBER

(month, day, year)

(patented, pending, abandoned)

09/417,671

October 14, 1999

Pending

### **POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith with full power of substitution and revocation. (all names listed with corresponding registration numbers)

i		•	
Harold W. Milton	22,180	David M. LaPrairie	46,295
William H. Honaker	31,623	Kevin S. MacKenzie	45,639
Raymond E. Scott	22,981	Jeffrey A. Sadowski	29,005
Bharat C. Gandhi	35,146	Randall L. Shoemaker	43,118
Samuel J. Haidle	42,619	James R. Yee	34,460
Allen W. Wark	30,503	Steve C. Wichmann	37,758

Please address all correspondence and telephone calls to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115



Post Office:

Citizenship:

Same

France



## **DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name:	Paul G. Alchas	Dated	
Address:	29 Ponds Circle Wayne, NJ 07470		
Post Office:	Same		
Citizenship:	United States		
	·		
Name:	Carlos E. Guillermo	Dated	
Address:	25 River Road Clinton, CT 06413		
Post Office:	Same		
Citizenship:	United States		
	•		
Name:	Philippe Emile Fernand Laurent	Dated	
Address:	37, rue de la Glaciere 69600 Oullins, France		

Name:

Marina S. Korisch

Dated

Address:

6 Deerfield Road

Wayne, NJ 07470

Post Office:

Same

Citizenship:

**United States** 

Name:

Peter W. Heyman

teter w. neyman

Address:

34 Puddingstone Way

Florham Park, NJ 07932

Post Office:

Same

Citizenship:

United States

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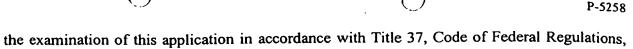
which	is desc	ribed and claimed in the specification of which:		
		is executed on even date herewith; attorney docket number		_•
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	I decla	are that this application is:		
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Section 1.56(a).

## PRIORITY CLAIM

of the foreign app identified below an	lication(s) for patent or y foreign application(s)	or inventor's certificate for patent or inventor's	ed States Code, §119(a)-(d) listed below and have also certificate filed by me on the ation(s) of which priority is
X no sucl	h applications have beer	n filed.	
such app	lications have been file	d as follows:	
COUNTRY	APPLICATION NUMBER	DATE OF FILING (month, day, year)	PRIORITY CLAIMED UNDER 37 USC 119 Yes No
·			•
	aim priority to and al ted States provisional a		le 35, United States Code
X no sucl	h applications have beer	n filed.	
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	APPLICATION	DATE OF FI	LING

**NUMBER** 

(month, day, year)





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**APPLICATION** 

DATE OF FILING

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(month, day, year)

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09/417,671

October 14, 1999

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Same

Citizenship:

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Citizenship:

**United States** 

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69600 Oullins, France

Post Office:

Same

Citizenship:

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Post Office:

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Citizenship:

**United States** 

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	I decla	are that this application is:	
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**P** 

the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

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		APPLICATION NUMBER	DATE OF FI	
	such appli	cations have been filed	as follows:	
-	X no such a	pplications have been f	iled.	
	•	n priority to and all t States provisional app		tle 35, United States Code,
				Yes No
(	COUNTRY	APPLICATION NUMBER	DATE OF FILING (month, day, year)	
-	such application	ations have been filed a	as follows:	
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**APPLICATION** 

DATE OF FILING

STATUS

NUMBER

(month, day, year)

(patented, pending, abandoned)

09/417,671

October 14, 1999

Pending

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Name:	Paul G. Alchas	Dated
Address:	29 Ponds Circle Wayne, NJ 07470	;
Post Office:	Same	
Citizenship:	United States	
		10/30/01
Name:	Carlos E. Guillermo	Dated
Address:	25 River Road Clinton, CT 06413	
Post Office:	Same	
Citizenship:	United States	
Name:	Philippe Emile Fernand Laurent	Dated
Address:	37, rue de la Glaciere 69600 Oullins, France	*
Post Office:	Same	

Citizenship:

France



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United States

Dated

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Peter W. Heyman

Address:

34 Puddingstone Way

Florham Park, NJ 07932

Post Office:

Same

Citizenship:

**United States** 

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PTO/SB/04 (08-03)
Approved for use through 07/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required

## SUPPLEMENTAL **DECLARATION FOR UTILITY** OR DESIGN PATENT APPLICATION (37 CFR 1.67)

to respond to a confection of	ir information unless it displays a valid OMB control number.
Attorney Docket Numb	P-5258 (102-525 CIP/RCE)
First Named Inventor	Alchas et al.
e de la constanta de la compansión de la c	COMPLETE IF KNOWN
Application Number	09/835,248
"Filing Date"	April 13, 2001
Art Unit	3763
	Mendez, Manuel A.

I hereby declare that:						
Each inventor's residence, mailing address, and citizenship are as stated below next to their name.						
I believe the inventor(s) named belo sought on the invention entitled:	w to be the original and	first inventor(s) of	the subject matter v	which is claimed a	and for which a pa	atent is
PREFILLABLE I	INTRADERMAL	DELIVERY	DEVICE			
the specification of which		(Title of the invent	ion)		<del></del>	
is attached hereto						
OR _						
x was filed on (MM/DD/YYYY)	04/13/2001		as United State	es Application Nu	mber or PCT Inte	emational
Application Number 09/835  I hereby declare that the subject mat the invention and was invented before	tter of the attached	l amendment X	ded on (MM/DD/YY amendment filed above identified for	03/13	2/2003 2/2003 w	as part of
I hereby state that I have reviewed a amendment specifically referred to a	nd understand the conte bove.	ents of the above-io	dentified specification	on, including the o	laims, as amend	ed by any
I acknowledge the duty to disclose i applications, material information wh filling date of the continuation-in-part	iich decame available be	etween the filing da	ate of the prior appl	ication and the na	ational or PCT in	ternational
I hereby claim foreign priority benefit breeder's rights certificate(s), or 368 States of America, listed below and breeder's rights certificate(s), or of a claimed.	have also identified he	low by checking	the box any foreign	at least one cou	ntry other than t	the United
Prior Foreign Application Number(s)	Country		n Filing Date /DD/YYYY)	Priority Not Claimed	Certified Copy	Attached? NO
Additional foreign application num	nbers are listed on a supplen	mental priority data si	heet PTO/SB/02B atta	ched hereto.		

[Page 1 of 3]

This collection of Information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. B x 1450, Alexandria, VA 22313-1450.

PTO/SB/04 (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## SUPPLEMENTAL DECLARATION — UTILITY OR DESIGN PATENT APPLICATION

Direct all correspondence to: Customer No	umber:	month of the property of the second	e e la companya di sa	OR Corresp	pondence address below
Name					
Ludomir A. Budzyn, Esq	,		•		
Address Eddazyii, Esq	<u>•</u>				
HOFFMANN & BARON, LLP					
Address C BARON, ELEP	<del></del>	<del></del>			<del></del>
6900 Jericho Turnpike				-	
City	State			ZIP	· · · · · · · · · · · · · · · · · · ·
Syosset		NY		11791	
Country	Telephone			Fax	
USA		973-33	1-1700	0   973-331	1-1717
I hereby declare that all statements made herein of m	ny own knowle	dge are true	and that all	statements made on it	information and belief are
believed to be true; and further that these statements punishable by fine or imprisonment, or both, under 18	s were made w	with the knowle	edge that wi	villful false statements a	and the like so made are
application or any patent issued thereon.	3 0.3.0. 1001	and trial such	A Willium raise	e statements may jeup	pardize the validity of the
Nam of Sole or First Inventor: A petit	tion has been fi	iled for this un	signed inver	ntor	
Given		Family Nam			
Nam Paul G.	!	or Surname	, Alc	chas	
Inventor's	1 . /	<u> </u>			Date /
Signature and to the	liter				10/10/03
Residence: City	State	Cou	untry		Citizenship
Waynę	ŊJ	USA USA		USA	
Mailing Address					
29 Ponds Circle					
Mailing Address					
-					
City	State			ZIP	Country
Wayne	NJ				1
<del></del>	טאו			07470	USA
	tition has been f	filed for this ur	nsigned inve	entor -	
Given		Family Nam		<del></del>	
Carlos E.	J	or Surname	Gui	illermo	
Inventor's	<del></del>	<u>.                                    </u>		TITELWO	<del></del>
Signature					11 04/03
Residence: City	State			Country	Citizenship
Clinton		CT		USA	
Mailing Address		U I			USA
Mailing Address					
25 River Road					
Mailing Address		· · · · · · · · · · · · · · · · · · ·			<u> </u>
·					
City	Stat			ZIP	Country
Clinton		CT		06413	USA
X Additional inventors or a legal representative are b	peing named or	n the 1 su	pplemental	sheet(s) PTO/SB/ 02A	or 02LR attached hereto.

PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0651-0032

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ADDITIONAL INVENTOR(S)

Supplemental Sheet

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Name of Additional Joint Inventor, if any:		A petit	tion has been filed	for this unsigned in	nventor
Given Name (first and middle (if any)		Family Nam	e or Surname		
Philippe Emile Femand		Laurent			
Inventor's Signature	m			/0 //	10 / 8003
Oullins Residence: City	State		France Country		p
37, rue de la Glaciere Mailing Address					
Mailing Address					
Oullins City	0104		69600	France	
	State	<u>;</u>	Zip	Country	
Name of Additional Joint Inventor, if any:		A petit	tion has been filed	for this unsigned in	ventor
Given Name (first and middle (if any)		Family Name or Surname			
Marina S.		Korisch			
Inventor's Schoule -		Date /o	1/10/2003	<u> </u>	_
Wayne Residence: City	NJ State	,	USA Country		USA Citizenship
6 Deerfield Road Mailing Address				-	
Mailing Address					
Wayne City	NJ State		07470 Zip	USA Country	
Name of Additional Joint Inventor, if any:		A petiti	ion has been filed	for this unsigned inv	ventor
Given Name (first and middle (if any)			Family Na	ame or Surname	
Peter W.		Heyman			
Inventor's Signature	,	Date 10	0/10/200	 '3	
Florham Park Residence: City	NJ State	<u> </u>	USA Country		USA Citizenship
34 Puddingstone Way Mailing Address					Oldzoriorinp
Mailing Address					
Florham Park NJ			07932	USA	

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MARCH 11, 2002

PTAS

\* BECTON, DICKINSON AND COMPANY ALLEN W. WARK PATENT AND LICENSING DEPARTMENT 1 BECTON DRIVE FRANKLIN LAKES, NJ 07417-1880



Chief Information Officer Washington, DC 20231 www.uspto.gov



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/08/2002

REEL/FRAME: 012462/0817

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GUILLERMO, CARLOS E.

DOC DATE: 10/30/2001

ASSIGNEE:

BECTON, DICKSON AND COMPANY 1 BECTON DRIVE PATENT AND LICENSING DEPARTMENT FRANKLIN LAKES, NEW JERSEY

07417-1880

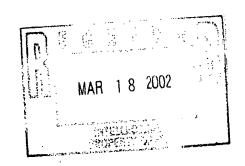
SERIAL NUMBER: 09835248

PATENT NUMBER:

FILING DATE: 04/13/2001

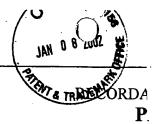
ISSUE DATE:

JOANN STEWART, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



P-5258·

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)



01-17-2002



101951930

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Carlos E. Guillermo 1-8-02	Name: BECTON, DICKINSON AND COMPANY	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	BECTON, DICKINSON AND COMPANY	
	Internal Address: Patent and Licensing Department	
3. Nature of conveyance:	Street Address: 1 Becton Drive	
X Assignment Merger	City: Franklin Lakes State: NJ ZIP: 07417-1880	
Security Agreement Change of Name		
Other:	Additional name(s) & address(es) attached? □ Yes ☒ No	
Execution Date: October 30, 2001		
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application,	the execution date of the application is:	
A. Patent Application No.(s) 09/835,248	B. Patent No.(s)	
Additional numbers atta	ached? □ Yes ☒ No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: BECTON, DICKINSON AND COMPANY	7. Total fee (37 CFR §3.41): \$40.00	
Internal Address: Patent and Licensing Department	☐ Enclosed	
Internal Address: Patent and Licensing Department  Authorized to be charged to deposit account		
Street Address: 1 Becton Drive	8. Deposit account number: 02-1666	
City: Franklin Lakes State: NJ ZIP: 07417-1880	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE	THIS SPACE	
	•	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing information is	true and correct and any attached copy is a true copy of the original	
document.		
Allen W. Wark, Reg. No. 30, 305		
Name of Person Signing Signature Date		
/16/2002 DBYRHE 00000036 021666 09835248		
	s including cover sheet, attachments and document: 3	

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

## ASSIGNMENT (Joint Inventors)

WHEREAS, We, Paul G. Alchas, Carlos E. Guillermo, Philippe Emile Fernand Laurent, Marina S. Korisch and Peter W. Heyman (hereinafter referred to as Assignors), residing respectively at 29 Ponds Circle, Wayne, New Jersey 07470; 25 River Road, Clinton, Connecticut 06413; 37, rue de la Glaciere, 69600 Oullins, France; 99 B Traphagen Road, Wayne, New Jersey 07470 and 34 Puddingstone Way, Florham Park, New Jersey 07932, have invented new and useful improvements in:

#### PREFILLABLE INTRADERMAL DELIVERY DEVICE

which is set forth in an application in the United States having the attorney docket number **P-5258** and executed on even date herewith:

AND WHEREAS, Becton Dickinson and Company, (hereinafter referred to as Assignee), of 1 Becton Drive, Franklin Lakes, New Jersey 07417-1880, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

AND the Assignors hereby covenant and agree that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

Date	Name Paul G. Alchas
10 30 01	O Did
Date	Name Carlos E. Guillermo
Date	Name Philippe Emile Fernand Laurent
Date	Name Marina S. Korisch
Date	Name Peter W. Heyman

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Alchas et al.

Examiner:

Mendez, Manuel A.

Serial No.:

09/835,248

Group Art Unit: 3763

Confirmation No.:

5027

Docket:

P-5258 (102-525 CIP)

Filed:

April 13, 2001

For:

**PREFILLABLE** INTRADERMAL

**DELIVERY DEVICE** 

Commissioner for Patents Washington, DC 20231

## **NEW POWER OF ATTORNEY BY ASSIGNEE** (INCLUDING REVOCATION OF PRIOR POWERS OF ATTORNEY)

As assignee of the entire right, title and interest in the above-identified application, as set forth in the attached Statement Under 37 CFR 3.73(b), all powers of attorney previously given with respect to this matter are hereby revoked. The practitioners associated with Customer Number 32752 are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office in connection with this matter.

Applicant: Alchas et al.

Application Serial No.: 09/835,248

Filing Date: April 13, 2001

Docket No.: P-5258 (102-525 CIP)

Page 2

Please address all future correspondence and telephone communications to:

Ludomir A. Budzyn, Esq. Hoffmann & Baron, LLP 6900 Jericho Turnpike Syosset, New York 11791 Telephone: (973) 331-1700

Respectfully submitted,

MAR-CH 11 2003

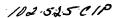
Dated

David W. Highet

Assistant Secretary

Becton Dickinson and Company

HOFFMANN & BARON, LLP 6900 Jericho Turnpike Syosset, New York 11791 (973) 331-1700





FIRST NAMED APPLICANT ATTY: DOCKET NO./TITLE FILING DATE APPLICATION NUMBER

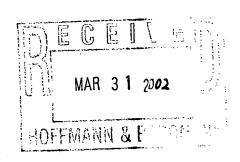
09/835,248

04/13/2001

Paul G. Alchas

P-5258

32752 HOFFMAN & BARON, LLP 6900 JERICHO TURNPIKE SYOSSET, NY 11791



**CONFIRMATION NO. 5027** \*OC000000009708404\*

Date Mailed: 03/26/2003

## NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/17/2003.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

HOFFMANN & BARON, NJ

3700 (703) 306-0410

ATTORNEY/APPLICANT COPY

## STATEMENT UNDER 37 CFR 3.73(b) Applicant: Alchas et al. \_\_ Filed: <u>April 13, 2001</u> Application No.: 09/835,248 Entitled: PREFILLABLE INTRADERMAL DELIVERY DEVICE Becton, Dickinson and Company a corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) states that it is: the assignee of the entire right, title, and interest; or an assignee of an undivided part interest in the patent application identified above by virtue of either: A. [/] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 012462 Frame 0817 or for which a copy thereof is attached. OR B. [ ] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below: 1. From: The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_ \_\_\_\_\_, or for which a copy thereof is attached. 2. From: To: The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached. To: The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached. [ ] Additional documents in the chain of title are listed on a supplemental sheet. [ ] Copies of assignments or other documents in the chain of title are attached. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee. David W. Highet Typed or printed name Assistant Secretary

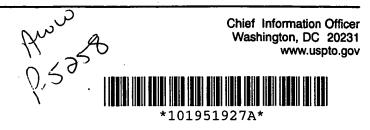
Title



MARCH 11, 2002

PTAS

BECTON, DICKINSON AND COMPANY
ALLEN W. WARK
PATENT AND LICENSING DEPARTMENT
1 BECTON DRIVE
FRANKLIN LAKES, NJ 07417-1880



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/08/2002

REEL/FRAME: 012462/0814

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ALCHAS, PAUL G.

DOC DATE: 10/23/2001

**ASSIGNOR:** 

KORISCH, MARINA S.

DOC DATE: 10/23/2001

ASSIGNOR:

HEYMAN, PETER W.

DOC DATE: 10/23/2001

ASSIGNEE:

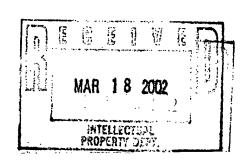
BECTON, DICKINSON AND COMPANY 1 BECTON DRIVE PATENT AND LICENSING DEPARTMENT FRANKLIN LAKES, NEW JERSEY

07417-1880

SERIAL NUMBER: 09835248

PATENT NUMBER:

FILING DATE: 04/13/2001 ISSUE DATE:



012462/0814 PAGE 2

SHARON LATIMER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

 $\bigcup$ 

01-17-2002



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	951927
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Paul G. Alchas, Marina S. Korisch and Peter W. Heyman  Additional name(s) of conveying party(ies) attached? □ Yes ☒ No  1-8-07	Name and address of receiving party(ies):     Name: BECTON, DICKINSON AND COMPANY     Internal Address: Patent and Licensing Department
3. Nature of conveyance:  X Assignment Merger Security Agreement Change of Name Other:	Street Address: 1 Becton Drive  City: Franklin Lakes State: NJ ZIP: 07417-1880  Additional name(s) & address(es) attached?   Yes  No
Execution Date: October 23, 2001	
<ul> <li>4. Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application,</li> <li>A. Patent Application No.(s)</li> <li>09/835,248</li> </ul>	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:	ached? ☐ Yes ☒ No  6. Total number of applications and patents involved: 1
Name: BECTON, DICKINSON AND COMPANY Internal Address: Patent and Licensing Department	7. Total fee (37 CFR §3.41): \$40.00  Enclosed  Authorized to be charged to deposit account
Street Address: 1 Becton Drive  City: Franklin Lakes State: NJ ZIP: 07417-1880	8. Deposit account number: 02-1666  (Attach duplicate copy of this page if paying by deposit account)
/16/2002 BBYRNE 00000035 621666 09835248 DO NOT USI FC:581 40.00 CH  9. Statement and signature.	E THIS SPACE
Allen W. Wark, Reg. No. 30, 305  Name of Person Signing	Signature Date
Total number of page	es including cover sheet, attachments and document:

# ASSIGNMENT (Joint Inventors)

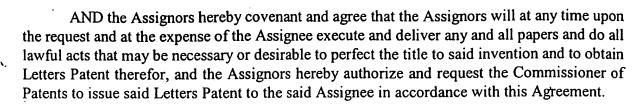
WHEREAS, We, Paul G. Alchas, Carlos E. Guillermo, Philippe Emile Fernand Laurent, Marina S. Korisch and Peter W. Heyman (hereinafter referred to as Assignors), residing respectively at 29 Ponds Circle, Wayne, New Jersey 07470; 25 River Road, Clinton, Connecticut 06413; 37, rue de la Glaciere, 69600 Oullins, France; 99 B Traphagen Road, Wayne, New Jersey 07470 and 34 Puddingstone Way, Florham Park, New Jersey 07932, have invented new and useful improvements in:

## PREFILLABLE INTRADERMAL DELIVERY DEVICE

which is set forth in an application in the United States having the attorney docket number **P-5258** and executed on even date herewith:

AND WHEREAS, Becton Dickinson and Company, (hereinafter referred to as Assignee), of 1 Becton Drive, Franklin Lakes, New Jersey 07417-1880, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.



16/2-5/01	1 Cent & Allen
Date /	Name Paul G. Alchas
Date	Name Carlos E. Guillermo
Date	Name Philippe Emile Fernand Laurent
<u>10/24/01</u> Date	Name Marina S. Korisch
10/24/01 Date	Name Peter W. Heyman

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115



MARCH 11, 2002

**PTAS** 

BECTON, DICKINSON AND COMPANY ALLEN W. WARK 1 BECTON DRIVE FRANKLIN LAKES, NJ 07417-1880 System Starts

Chief Information Officer Washington, DC 20231 www.uspto.gov



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RECORDATION DATE: 01/08/2002

REEL/FRAME: 012462/0849

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LAURENT, PHILIPPE EMILE FERNAND

DOC DATE: 10/22/2001

ASSIGNEE:

BECTON, DICKINSON AND COMPANY 1 BECTON DRIVE FRANKLIN LAKES, NEW JERSEY

07417-1880

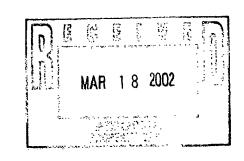
SERIAL NUMBER: 09835248

PATENT NUMBER:

FILING DATE: 04/13/2001

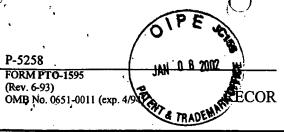
ISSUE DATE:

TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



P-5258

FORM PTO-1595 (Rev. 6-93)



01-17-2002



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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Philippe Emile Fernand Laurent  Additional name(s) of conveying party(ies) attached? □ Yes ☒ No  3. Nature of conveyance:  X Assignment Security Agreement Other:  Execution Date: October 22, 2001	2. Name and address of receiving party(ies):  Name: BECTON, DICKINSON AND COMPANY  Internal Address: Patent and Licensing Department  Street Address: 1 Becton Drive  City: Franklin Lakes State: NJ ZIP: 07417-1880  Additional name(s) & address(es) attached? □ Yes ☒ No
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FC:581 40.00 CH	THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is document.	true and correct and any attached copy is a true copy of the original
Allen W. Wark, Reg. No. 30, 305  Name of Person Signing	1/8/01
Manie of Leison Signing	Signature Date
Total number of neces	s including cover sheet, attachments and document:

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WHEREAS, We, Paul G. Alchas, Carlos E. Guillermo, Philippe Emile Fernand Laurent, Marina S. Korisch and Peter W. Heyman (hereinafter referred to as Assignors), residing respectively at 29 Ponds Circle, Wayne, New Jersey 07470; 25 River Road, Clinton, Connecticut 06413; 37, rue de la Glaciere, 69600 Oullins, France; 99 B Traphagen Road, Wayne, New Jersey 07470 and 34 Puddingstone Way, Florham Park, New Jersey 07932, have invented new and useful improvements in:

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Date	Name Paul G. Alchas
Date	Name Carlos E. Guillermo
Date Gehser 22 lvoj	Name Philippe Emile Fernand Laurent
Date	Name Marina S. Korisch
Date	Name Peter W. Heyman

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Allen W. Wark, Esq.
BECTON DICKINSON AND COMPANY
1 Becton Drive
Franklin Lakes, NJ 07417-1880
(201) 847-7115